

WHAT IS CLAIMED IS:

1. A recording control apparatus, comprising:

a processing unit which performs a processing, involved with writing or deleting data, on a recording medium where recorded is a unit management table which manages usage status of a recording region in units of unit that is constituted by the recording region whose logical address is contiguous and which has a predetermined size;

an updating unit which updates the unit management table in the event that the usage status of the unit is changed by the processing performed by said processing unit;

an updated apparatus information recording unit which records, on the recording medium, apparatus information indicating that an apparatus having performed the processing is capable of updating the unit management table;

a detector which detects, when connected to the recording medium, whether an apparatus that last performed the processing is capable of updating the unit managing table or not by reading out the apparatus information recorded by said updated apparatus information recording unit; and

a reconstructing unit which reconstructs the unit management table if the apparatus that last performed the processing is not capable of updating the unit management table.

2. A recording control apparatus according to Claim 1, wherein said reconstructing unit reconstructs the unit management table by referring to actual usage status of the recording region.

3. A recording control apparatus according to Claim 1, wherein the size of the unit is determined based on performance of the recording medium so that a processing of data, where continuous write or read thereof in time is required, is performed without delay.

4. A recording control apparatus according to Claim 2, wherein the size of the unit is determined based on performance of the recording medium so that a processing of data, where continuous write or read thereof in time is required, is performed without delay.

5. A recording control apparatus according to Claim 1, wherein, when data requiring continuous write are to be recorded, said processing unit detects an unused unit by referring to the unit management table and records the data in the unused unit.

6. A recording control apparatus according to Claim 2, wherein, when data requiring continuous write are to be

recorded, said processing unit detects an unused unit by referring to the unit management table and records the data in the unused unit.

7. A recording control apparatus according to Claim 3, wherein, when data requiring continuous write are to be recorded, said processing unit detects an unused unit by referring to the unit management table and records the data in the unused unit.

8. A recording control apparatus according to Claim 4, wherein, when data requiring continuous write are to be recorded, said processing unit detects an unused unit by referring to the unit management table and records the data in the unused unit.

9. A recording control apparatus according to Claim 1, wherein the recording medium is a hard disk in which input/output is made in units of block which is constituted by a recording region having continuous logical address and which is smaller than the unit in size, and wherein the unit is composed of a plurality of the blocks.

10. A recording control apparatus according to Claim 2, wherein the recording medium is a hard disk in which input/output is made in units of block which is constituted

by a recording region having continuous logical address and which is smaller than the unit in size, and wherein the unit is composed of a plurality of the blocks.

11. A recording control apparatus according to Claim 3, wherein the recording medium is a hard disk in which input/output is made in units of block which is constituted by a recording region having continuous logical address and which is smaller than the unit in size, and wherein the unit is composed of a plurality of the blocks.

12. A recording control apparatus according to Claim 4, wherein the recording medium is a hard disk in which input/output is made in units of block which is constituted by a recording region having continuous logical address and which is smaller than the unit in size, and wherein the unit is composed of a plurality of the blocks.

13. A recording control apparatus according to Claim 5, wherein the recording medium is a hard disk in which input/output is made in units of block which is constituted by a recording region having continuous logical address and which is smaller than the unit in size, and wherein the unit is composed of a plurality of the blocks.

14. A recording control apparatus according to Claim 9,

wherein the recording medium further includes a region management table which manages usage status of the blocks, and wherein said reconstructing unit reconstructs the unit management table in a manner such that the usage status of the blocks that constitute the unit is grasped by referring to the region management table.

15. A recording control apparatus according to Claim 10, wherein the recording medium further includes a region management table which manages usage status of the blocks, and wherein said reconstructing unit reconstructs the unit management table in a manner such that the usage status of the blocks that constitute the unit is grasped by referring to the region management table.

16. A recording control apparatus according to Claim 11, wherein the recording medium further includes a region management table which manages usage status of the blocks, and wherein said reconstructing unit reconstructs the unit management table in a manner such that the usage status of the blocks that constitute the unit is grasped by referring to the region management table.

17. A recording control apparatus according to Claim 12, wherein the recording medium further includes a region management table which manages usage status of the blocks,

and wherein said reconstructing unit reconstructs the unit management table in a manner such that the usage status of the blocks that constitute the unit is grasped by referring to the region management table.

18. A recording control apparatus according to Claim 13, wherein the recording medium further includes a region management table which manages usage status of the blocks, and wherein said reconstructing unit reconstructs the unit management table in a manner such that the usage status of the blocks that constitute the unit is grasped by referring to the region management table.

19. A recording medium on which recorded is management information including:

a unit management table which manages usage status of a recording region in units of unit where the unit is composed of a recording region of a predetermined size and whose logical address is contiguous; and

apparatus information indicative of whether an apparatus that last updated the recording region is capable of updating the unit management table or not.

20. A recording control method, including:

writing or deleting data to and from a recording medium, where recorded is a unit management table which

manages usage status of a recording region in units of unit that is constituted by the recording region whose logical address is contiguous and which has a predetermined size;

updating the unit management table in the event that the usage status of the unit is changed by said writing or deleting;

recording, on the recording medium, information indicating that the unit management table has been updated;

reading out, prior to using the recording medium, the information recorded in said recording, and detecting whether an apparatus that last performed said writing or deleting has updated the unit management table or not; and

reconstructing the unit management table if the apparatus that last performed said writing or deleting has not updated the unit management table.